Please amend the claims as follows:

1. (Amended) The media processing apparatus of Claim 72, wherein the data

2   is received as a data stream including compressed AV data, wherein the media processing

3   apparatus inputs the data stream, decodes data in the inputted data stream, and outputs the

4   decoded AV data,

5   wherein said input/output processing means performs said input/output

6   processes at a non-fixed rate, the input/output processes including inputting the data

7   stream which is inputted at a non-fixed rate, storing data in the inputted data stream into a

8   memory, and supplying the data stored in the memory to the decode processing means;

9   and

10   the decode processing means which, in parallel with the input/output

11 processing, performs the decode processing where decoding of the data stream stored in

12 the memory is mainly performed, and

13   wherein the decoded AV data is stored in the memory, and

14   wherein the input/output processing means reads the decoded AV data from

15 the memory, and respectively outputs the read AV data.

16. (Amended) A media processing apparatus comprising:

2   an input means for inputting a data stream including compressed video

3   data;

4   a sequential processing means for performing a sequential processing

5   which is for condition judgements, the sequential processing including performing a

6   header analysis for analyzing a header which is assigned to a predetermined unit of data

7   (hereinafter, called a "block") in the data stream, wherein each block is a macroblock

8   including a plurality of video blocks which each include luminance blocks and color-

9   difference blocks; and

10   a routine processing means for performing, in parallel with the sequential

11   processing, a routine processing which is mainly for routine calculations, the routine

12   processing including a decoding of the compressed video data of the data stream for a

13   block using a result of the header analysis, and

14   wherein the sequential processing means instructs the routine processing

15   means to decode the block when the header analysis of the block is completed, and starts

16   the header analysis of a next block when receiving notification from the routine

17   processing means that the decoding of the block is completed.

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1   42.   (Amended)   A media processing apparatus which inputs a data stream

2   including compressed audio/video (AV) data, decodes the inputted stream data, and

3   outputs the decoded data, the media processing apparatus comprising:

4   an input/output processing means for performing input/output processes,

5   the input/output processes including storing a data stream in a memory;

6   a sequential processing means for performing a sequential processing

7   mainly for condition judgements, the sequential processing including a header analysis of

8   compressed video data in the compressed AV data and a decoding of compressed audio

9   data in the compressed AV data, whereby the decoded audio data is stored in the

10   memory; and

11   a routine processing means for performing a routine processing mainly for

12   routine calculations on the compressed video data stored in the memory in accordance

13   with a result of the header analysis given by the sequential processing means, the routine

14   processing including a decoding of the compressed video data, whereby the decoded

15   video data is stored in the memory, and

16   wherein the input/output processing further includes reading the decoded

17   audio data and the decoded video data from the memory and respectively outputting the

18   read audio data and the read video data,

19   wherein the header analysis is a header analysis of a macroblock including a

20   plurality of video blocks.

Please add the following new claim:

72.　(New) A media processing apparatus, comprising:

　　　an input/output processing means for performing an input/output processing of data received at a non-fixed rate; and

　　　a decode processing means for performing decode processing of the data processed by said input/output processing means at a predetermined rate, wherein the predetermined rate at which the decode processing means processes data is independent of the non-fixed rate at which data is received by said input/output processing means.